

Title	V.N.P.	Title	V.N.P.	Title	V.N.P.
Features of VMS Version 4.0 (continued).....	4.3.74	How to Use RT-11 with Disks with Bad Blocks.....	2.3.94	Megabyte Memory Now Available for Older PDP-11s.....	1.1.24
Fiber Optics for DEC Hosts and Peripherals.....	4.8.64	How to Write User-Friendly Documentation.....	3.6.50	MENTOR—A Decision Support System to Organize Your Office's PCs.....	4.7.24
File Transfer Between Your Robin and VAX.....	4.11.78	How USER-11 Helps Fotomat Process 2,000,000 Prints a Day.....	3.5.64	Microcomputers in English Class.....	4.9.12
File Transfers Between VAX/VMS & Your Rainbow.....	3.4.10	I Don't Get No Support—Part One: How to Select a Home Computer.....	1.3.50	Microdare/Labnet.....	2.1.66
FILES-11 Structure.....	1.3.54	I Don't Get No Support—Part Two: How to Buy Software.....	2.1.79	Microprocessor Simulation: The New Breed of Low-Cost Tape Drives.....	2.5.42
FITALL.RNO—DEC's New "Erector Set" Computers.....	1.2.68	If French is the Language of Love, Why Do We All Speak FORTRAN?.....	4.2.12	MISPREAD.COB—A Free Spreadsheet Program in COBOL.....	4.7.28
Fitting Files on Floppies—RT-11 Directories on Floppy Disks.....	3.1.149	Improving the Performance of a Q-Bus System.....	4.5.32	Modems and Multiplexers.....	1.2.52
For-Next Sandwiches in BASIC.....	3.4.136	Incorporating Special Function Keys Into BASIC PLUS 2 Programs.....	2.4.78	Modems and Multiplexers—Part 2.....	1.3.86
FORTRAN-77.....	4.4.136	Information Center Conference.....	4.10.60	Modems and Multiplexers—Part 3.....	2.1.96
FORTRAN/RT Tutorial—EIS, FIS, & FPU.....	3.2.40	Installing Brand-X Equipment On Your DEC System.....	2.6.108	Modems and Multiplexers—Part 4.....	2.2.43
FORTRAN: The Forgotten Language.....	3.1.8	Installing the 17 Hardware Upgrade On a PRO1350.....	3.1.94	Modular Programming.....	1.2.8
FRECEs: A Note on Free Record Chains.....	3.1.110	Integer and Floating Point Numbers in BASIC-PLUS.....	1.2.40	More Bits to the Byte?.....	3.4.126
"Friendly" Is in the Eye of the User.....	2.2.23	Interactive Russian Language Tutorial.....	1.1.42	More Data Compression Techniques: Manipulation of Compressed Data.....	3.3.124
From the Lab—Able Microwriter+.....	4.5.28	Interfacing Non-DEC Peripherals to RSX-11M Systems—Part I.....	1.2.60	More Reasons for Using TECO.....	2.5.76
From the Lab—Fixing Memory Boards Yourself.....	4.7.58	Interfacing Non-DEC Peripherals to RSX-11M Systems—Part II.....	1.3.36	Multichannel Instrument Interface.....	4.9.56
From the Lab—Solving Cable-Switching Problems.....	4.10.96	Introduction to DSR—Part 1.....	3.3.98	Multilingual Applications Development.....	4.2.44
From the Lab—The 11/7 Exposed: A Pictorial.....	3.5.158	Introduction to DSR—Part 2.....	3.4.94	Multiplexers, DMA, and Modem Control.....	2.5.126
From the RT-11 Editor—Advancing with TSX-Plus.....	4.4.62	Is There an Echo in Here?.....	4.5.48	Murphy and Me—OR—Ain't Computers Neat?.....	3.6.194
From the RT-11 Editor— Me and My (MSCP) Shadow.....	4.11.116	Languages, From Spanish to C.....	4.2.20	MXLATE.....	2.5.112
From the RT-11 Editor— RT-11 Standard Utilities.....	4.3.110	Large Systems SIG 20th Anniversary Celebration.....	3.8.152	Need a Date?.....	3.4.124
From the RT-11 Editor— T is for Time.....	4.2.92	Laser Printing.....	4.10.26	Need DEC Supplies? Check the Catalog and Pick Up the Phone.....	3.6.18
Games.....	1.2.96	'Lesserless' Laser Printer Replaces Serials.....	3.5.35	Networking—Looking at Optical Disk Technology.....	4.8.54
GENIUS-11—A Codingless Applications Generator.....	2.1.8	Layered Architecture.....	4.1.14	New Controller Technology Enhances Disk Access Performance.....	3.2.116
Getting Down— System Loading.....	3.4.66	Learning VMS.....	4.9.72	New DEC Disks.....	1.1.8
Getting It Together and Routing It Through: A DECnet Primer.....	3.5.82	Let's C Now—Arrays and Functions.....	3.3.42	New User Documentation: Seven Guerrilla Strategies for the Non-Writer.....	2.5.56
Getting Started With MACRO-11.....	3.2.134	Let's C Now—Command-line Processing.....	4.4.92	Nifty Things to Do With RSX Indirect Command Files.....	2.6.52
Getting the Most Out of RT-11 Version 5.....	2.6.56	Let's C Now—Fields and Unions.....	4.11.70	Nifty Things to Do With RSX Indirect Command Files.....	3.1.54
Getting the Most Out of Your DEC Field Service.....	3.6.10	Let's C Now—Formatted Output.....	4.5.142	Nifty Things to Do With RSX Indirect Command Files.....	3.2.84
Graphic Displays on Your Ordinary VT100 or VT52 Alphanumeric Terminals.....	4.6.54	Let's C Now—Introduction to Pointers.....	3.7.72	Nifty Things to Do With RSX Indirect Command Files.....	3.3.78
Handling Problems in the DEC Environment.....	2.2.28	Let's C Now—Introduction to Pointers (continued).....	4.1.116	Nifty Things to Do With RSX Indirect Command Files.....	3.5.142
Having Fun at DECUS: What to See and Do in Cincinnati.....	3.3.32	Let's C Now—Introduction to Structures.....	4.9.76	One Data Base Management System.....	1.2.62
Hints for the VAX System Manager— Part 1.....	4.5.62	Let's C Now—Looping and Testing.....	3.2.26	On-Line Documentation.....	4.1.132
Hints for the VAX System Manager— Part 2.....	4.7.124	Let's C Now—More Formatted Input.....	4.6.78	Optimizing RSX-11M Terminal Response By the Use of a Funnel Task.....	1.1.38
Hints for the VAX System Manager— Part 3.....	4.8.82	Let's C Now—More on Pointers.....	4.2.116	PC Bridge.....	4.4.32
Hints for the VAX System Manager— Part 4.....	4.10.74	Let's C Now—Part 1, In the Beginning.....	3.1.42	PCs On Campus.....	3.4.32
Hooked on Programming?.....	4.3.68	Let's C Now—Pause and Reflection.....	4.7.92	Peer Networks of Interactive VAX & IBM Computers.....	3.1.70
? How TECO ?.....	1.1.59	Let's C Now—Pointers and Files.....	4.3.126	PFP—Charting Your Financial Course.....	4.7.14
? How TECO ?—The Uses and Abuses of Q-Registers.....	1.2.99	Let's C Now—Recursion, Variable Classes & Scope.....	3.4.84	Planning for a Successful Automation Project.....	3.1.82
How the EDTHELPHLP File is Organized.....	2.1.22	Let's C Now—Structures, Arrays and Pointers.....	4.1.062	Planning, Designing & Implementing Office Automation.....	2.6.28
How to Control Your DP Project.....	4.1.66	Let's C Now—The C Preprocessor.....	3.6.78	PMP-11: A Poor Man's PDP-11.....	4.4.54
How to Control Your DP Project Cont'd.....	4.2.74	Let's C Now—Useful Functions.....	3.5.54	PORTACALC—A DEC Spreadsheet—Part 2.....	2.4.114
How to Debug a Program Using the Binary Search.....	4.2.124	Life with 36 Bits.....	4.1.30	PORTACALC—A New (FREE) DEC Spreadsheet— Part 1.....	2.3.90
		M68000 Cross Assembler—The Bridge Between Motorola and DEC Systems.....	2.2.86	PORTACALC—Part 3.....	2.6.82
		MACRO and the Classroom.....	2.3.127	PRO/SHIFT.....	4.6.136
		Macros Are As Easy As "1-2-3".....	4.7.18	Productivity, Magic, and Version 4.0: The 1984 Spring DECUS Symposium.....	3.3.36
		Mail Call.....	4.3.45	Programmer's Notebook—Delightful Diversions— New Orleans.....	4.5.128
		Make Your Own Windows.....	4.1.036		
		Making Due with GIGs.....	4.6.42		
		Managing Networks.....	4.1.016		
		MAPGRF.....	2.3.120		
		Mapping Information Management Systems.....	4.6.16		
		Mass Storage Devices.....	3.2.122		
		MASS-11.....	4.4.108		

Title	V.N.P.	Title	V.N.P.	Title	V.N.P.
Programmer's Notebook—Getting the Most From BASIC Version 2—Part 1	3.474	Sharks in a Sea of Minnows	4.196	The MDX-1000 Bus Analyzer Unveiled	3.628
Programmer's Notebook—Getting the Most From BASIC Version 2—Part 2	3.574	Shopping for Software	3.762	The MicroU-11, Here and Now	3.3190
Programmer's Notebook—Getting the Most From BASIC Version 2—Part 3	3.662	Showtime in Dallas	4.572	The National Computer Conference	2.461
Programmer's Notebook—Getting the Most From BASIC Version 2—Part 4	4.144	SIMACS: System Industries Multiple Access Control	3.296	The Networking Editor—Foreign Peripherals:	
Programmer's Notebook—Getting the Most From BASIC Version 2—Part 5	4.260	Software System Portability and High-Level Programming Languages	4.224	Getting More for Less	4.578
Programmer's Notebook—Getting the Most From BASIC Version 2—Part 6	4.3140	Software: In-House vs. Vendor	3.644	The Networking Editor—Network Encryption	4.748
Programmer's Notebook—Program Development in the VMS Age—Part 1	4.489	Solving the Wiring Nightmare	4.1012	The Networking Editor—The Terminal Connection... Or Contention?	4.690
Programmer's Notebook—Program Development in the VMS Age—Part 2	4.6103	Some Comments on Datatrieve for the PDP-11	2.444	The Networking Editor—VMS Remote System Management	4.996
Programmer's Notebook—Program Development in the VMS Age—Part 3	4.7100	Sorting with RT-11 and CTS-300—A Review	2.412	The New VT200 Terminal Series	3.132
Programmer's Notebook—Program Development in the VMS Age—Part 4	4.8120	Spawning BASIC-PLUS-2 Tasks Under RSX-11M	3.168	The Personnel Computer	4.1092
Programmer's Notebook—The Greatest Show on Earth	2.436	Speed Up Your 730 Bootstrap	3.454	The Polling System—A Networking Tool for Asynchronous Communications	2.28
Programmer's Notebook—Unemployed Programmers?	2.354	Spring 1984 DECUS Review	3.446	The Professional Approach to Training	4.342
Programming Cards	1.248	Still Using the Same Old Service Supplier?	3.612	The Protocol Converter	4.586
Programming the Floating Point Processor	2.379	STRREV.MAC—String Reverser	2.160	The Resource Executive—Caught in the Act	4.872
Prose Plus	4.470	Structured Programming in DEC BASIC	1.164	The Resource Executive—Disk Maintenance	4.11136
Protecting Outside Terminal Lines From Lightning	2.626	SYMPHONY—An Integrated, Multipurpose Package	4.1160	The Resource Executive—My RSX Wish List	4.6131
Rainbow FORTH	4.780	System Development Methodology—Part 1	2.1106	The Resource Executive—Resource Locking	4.1086
Random Access Romance	3.2146	System Development Methodology—Part 2	2.314	The Resource Executive—The AST	4.5158
Random Rumours	3.356	System Development Methodology—Part 3	2.4101	The Resource Executive—The Mathematics of RSX	4.9122
Recovery System	2.344	System Development Methodology—Part 3 continued	2.564	The Resource Executive—The QIO	4.4100
Remote Line Printing System (RLPS)	3.522	System Development Methodology—Part 4	2.6144	The Resource Executive—Wildcard Support (Indirectly)	4.776
Report on DECUS and DEXPO	2.4136	System Development Methodology—Part 4 continued	3.160	The RT-11 Technical User's Series—Tailoring RT-11	4.392
RMSBLD: Interactive RMS-11K File Optimization Utility	1.214	System Development Methodology—Part 5	3.365	The Saturn Solution	4.896
Routine Debugging or Getting the Buggers Off Your Back	2.281	System Development Methodology—Part 6	4.11102	The Shape of Machines to Come	3.7125
RSTS/E Performance Monitor	1.38	Tales From the Crypt: The Holographic Two-Way Three-D Sensorama TV	2.484	The Shape of Machines to Come, continued	4.182
RSX Clinic	4.1156	Tales From the Crypt: The Image Intensifier for Public Relations	2.668	The Ultimate ASCII Clock	3.4128
RSX Indirect Command Files	3.4118	TECO.INI	2.152	The Use of a DH11 Multiplexer with RT-11 or How to Turbo-Charge RT-11	2.5106
RSX-11 Privileges: How to Maintain Control of the User	2.5140	Teleconferencing: When You Absolutely Have To Be There	3.322	The User's Guide to Southern California	3.752
RSX-11M to RSX-11M Plus Migration	2.3103	The 1984 National Computer Conference	3.594	The VAX 8600	3.796
RSX-11M vs. TSX-PLUS	4.1188	The Art of Bugging	2.1100	The VAX Professional Workstation	3.510
RT-11 and the Micro-11	3.386	The Back End—A Glimpse Into the Future	4.5226	The Vision 2200+	4.556
RT-11 Technical User's Series—Programming With RT-11, Vol. 1, Pt. 1	3.6132	The Back End—Computer Literacy and You	4.9162	The Wonderful World of UNIX—Hacking	3.666
RT-11 Technical User's Series—Programming With RT-11, Vol. 1, Pt. 2	3.7110	The Back End—CPS Syndrome	4.6178	The Wonderful World of UNIX—Implementations	2.679
RT-11 Technical User's Series—Programming With RT-11, Vol. 2, Pt. 1	4.1128	The Back End—Is the Spreadsheet All There Is?	4.7162	The Wonderful World of UNIX—Liberation	3.5139
RT-11 Technical User's Series—Programming With RT-11, Vol. 2, Pt. 2	4.2102	The Back End—Secret Book Discovered	4.8162	The Wonderful World of UNIX—Like Shelling Peas	4.252
RT-11 Technical User's Series—Working With RT-11	35.116	The Back End—The Modern Office	4.10162	The Wonderful World of UNIX—LOGIN	2.532
RT-11's (Hidden) Diagnostic Tools	35.104	The Back End—The Next Generation of Software	4.11178	The Wonderful World of UNIX—More Opinions?	3.124
RT-11's (Hidden) Diagnostic Tools—Part II	36.114	The Back End—The Public Still Mistrusts	4.3194	The Wonderful World of UNIX—She Sells C Shells	32.70
Saving Your Computer from Surges, Sags or Noise	37.26	The Back End—What's In a Name	4.4194	The Wonderful World of UNIX—Terminal Capabilities	4.6108
Security and VAX/VMS	37.10	The Bridge	1.130	The Wonderful World of UNIX—Terminal Capabilities, Pt. 2	4.7106
Selecting the Proper Communications Multiplexers for Your DEC System	31.134	The Data Base Connection—Across the Network	36.74	The Wonderful World of UNIX—Text Editing with EMACS	4.9108
Service Module Approach to Multi-Tasking Use of RMS11K	2.312	The DCS Program	4.154	The Wonderful World of UNIX—The Shell File	4.350
70 KW of Address Space for RMS Under RSTS??	1.344	The DEC Pro Takes a Peak at the Cluster-11	4.5103	Time Change	2.4133
		The DEC Solution	4.932	Tinkering With BASIC-11	2.5114
		The Elements of Software Support: The Softness of Software	2.3116	Transferring Files Between RSTS & UNIX	3.1128
		The Features of DBL	1.250	Transmitting Electrical Power with RSX	2.572
		The Hardware Hacker's Home Computer	3.5152	TXLIB—FORTRAN Callable Implementation of the TSX-Plus EMTs	2.264
		The Houston Instrument PC Plotter	4.560	[[2060 Hindsight]]: The Orange Notebooks	2.594
		The ICE Education Center: An Alternative to Manufacturer's Training	3.622	20/20	4.732
		The Mailing List and I	3.158		
		The Maze Untangled: A Solution to the Terminal Distribution Problem	33.110		
				Under a Flat Programming Rock	2.678
				Understanding Streaming Tape Drives	1.332
				Understanding the Elements of Software Support	2.230

Title	V.N.P.	Author	V.N.P.	Author	V.N.P.
UNIX Considered.....	2.370	Anthony, Philip G.		Cato, John	
UNIX Maximizes Business Applications Systems.....	33.120	X Marks the Stack.....	2.5130	CALC.....	2.1.102
Unlearning Software: The Worst Programmer I Ever Met.....	36.72	Anzel, Paul If French is the Language of Love.....		Cechner, Ronald Multichannel Instrument Interface.....	4.956
Untangling the Terminal Interconnect Problem.....	24.38	Why Do We All Speak FORTRAN?.....	4.2.12	Celko, Joe Bubble Sorts: A Second Look.....	3.2.132
Up the UNIBUS with Gun and Camera.....	2.184	Arnold, Stephen L.		How to Debug a Program.....	
Upgrade Path for the H11 (and LSI-11).....	2.333	Peer Networks of Interactive VAX & IBM Computers.....	3.1.70	Using the Binary Search.....	4.2.124
Using a Resident Library for Communication Between Jobs.....	23.114	Bandy, Tom Incorporating Special Function Keys Into BASIC PLUS-2 Programs.....		Unlearning Software: The Worst Programmer I Ever Met.....	36.72
Using Extra Memory With RT11 & TSX.....	31.88	Spawning BASIC-PLUS-2 Tasks Under RSX-11M.....	2.4.78 31.68	Chen, Jen-Lin Data Transfer in the Biomedical Lab.....	4.4.42
Using the RSX-11M Connect to Interrupt Directive.....	24.120	Bergeron, Fred The Use of a DH11 Multiplexer with RT11 or How to Turbo-Charge RT11.....		Chestnut, Dave An EDT Adventure.....	2.6.102
Using the VAX as a Lab Machine for a Course in Assembler Programming.....	49.26	Besner, Robert L. Multilingual Applications Development.....	4.2.44	Cichowski, Gerald W. Using the VAX as a Lab Machine for a Course in Assembler Programming.....	4.9.26
VAX Interrupt Response Time and Other Myths.....	4.11.84	Billings, Chris Some Comments on Datatrieve for the PDP-11.....	2.4.44	Chorney, Victor J. SYMPHONY—An Integrated, Multipurpose Package.....	4.11.60
VAX Videotex: An Alternative to the Paper Avalanche.....	35.68	Blasdel, Jon H., Jr. The Polling System—A Networking Tool for Asynchronous Communication.....		The Saturn Solution.....	4.8.96
VAX/VMS Computer Participation in an IBM File-Transfer Network.....	3.698	Bleier, Josef S. A Comprehensive Programming Environment: Management and Programming.....	32.124	Chu, Albert B. SIMACS: System Industries Multiple Access Control.....	3.2.96
VAX/VMS DECnet Proxy Access.....	31.146	Booker, Ellis DEC Took a "RISC" to Create DECRAD.....	4.9.38	Cini, Al A BASIC-PLUS-2 Programmer's Guide to Resident Libraries.....	1.2.101
Videotex Gets Down to Business— DEC Counts On Industry to Diversify.....	35.70	Borger, Frank R. Cipher Streaming Tape Drive.....	2.1.114	BASIC Version 2—"It Isn't Just for Breakfast Anymore".....	2.2.52
Videotex Puts on a Business Suit at Annual Trade Show.....	48.130	Installing Brand-X Equipment On Your DEC System.....	2.6.108	Elastic Bottlenecks.....	4.8.14
VMS Gets a Little Help From a Friend.....	3.2.92	The Hardware Hacker's Home Computer.....	3.5.152	Structured Programming in DEC BASIC.....	1.1.64
VT100 Graphics in a Multi-Language Environment.....	31.116	The Mailing List and I.....	3.1.58	Clark, Peter DEC Timesharing (1965).....	1.1.34
VTMODEM Communications for the VT-180 "Robin".....	2.4.20	Bourgeois, N.A., Jr. TSXLIB—A FORTRAN Callable Implementation of the TSX-Plus EMTs.....	2.2.64	Cohen, Gerald B. RSX-11M Privileges: How to Maintain Control of the User.....	2.5.140
Wanted! A Network That Ties It All Together.....	4.3.20	Bringsjord, Norman A Typesetting Service for Personal Computer Users.....	13.40	Cookson, John P. Direct Unibus Communications.....	2.4.92
Wedding a VAX to Laser Printing.....	35.44	Brown, Howe Handling Problems in the DEC Environment.....	2.2.28	Corbett, Jeff Yes, TECO!.....	2.4.26
What I Learned About RT11—Part 1.....	1.1.16	Bryce, J. Peter Application Tuning.....	13.26	Cross, Thomas B. Teleconferencing: When You Absolutely Have To Be There.....	33.22
What I Learned About RT11—Part 2.....	2.1.44	Benchmarking DEC and DEC Compatible Hardware Systems Under RSX-11E.....	23.134	Crum, Sterling Do They Still Use Calculators?.....	1.1.14
What's New for '84.....	3.1.152	Tales From the Crypt: The Holographic Two-Way Three-D Sensormax TV.....	2.4.84	Cuirle, Walter F. Managing Networks.....	4.10.16
Why Is the Spreadsheet All There Is?.....	4.10.24	Tales From the Crypt: The Image Intensifier for Public Relations.....	2.6.68	Curley, Robert F. Getting Started With MACRO-11.....	3.2.134
Why Not TECO?—An RSX User's View.....	2.1.48	Burns, Rich On-Line Documentation.....	4.11.32	Dalton, G. Ronald Adjusting Your Printer for Technical Writing.....	4.5.14
? Why TECO?.....	1.1.58	Cadravil, Rick Emulating Chain to Line Number in VAX-11 BASIC.....	2.2.110	Davies, Hugh J. E. MXLATE.....	2.5.112
? Why TECO?.....	1.2.98	Canfield, J. Scott DIBOL Data Entry Subroutine.....	13.18	Davis, Steven P. Converting Numbers to String Representations.....	2.356
With Friends Like These: Who Needs Enemies?.....	33.134	Caron, Ilan Don't Quick—Radix Sort (if you can).....	2.1.59	Deibert, Mark H. Getting the Most Out of Your DEC Field Service.....	36.10
Word Crunching.....	2.6.134	Caruso, Leslie A. DEXPO East '84—Review.....	33.16	Derrick, Mark E. A Worldwide Communications Program.....	2.1.28
Word Processing with DEC Computers— Hints & Kinks.....	1.1.77	DEXPO Stands for Quality.....	34.50	EASYLINK: True Electronic Mail Is Here Now.....	2.5.129
X Marks the Stack.....	2.5.130	Cash, Frank Joseph Improving the Performance of a Q-Bus System.....	4.5.32	VTMODEM Communications for the VT-180 "Robin".....	2.4.20
X11MNT.....	31.81	Cashin, Jerry A View From the Inside.....	2.2.32	Dourson, Stephen A Niche for Robin.....	4.7.64
!Yes, TECO!.....	2.4.26			File Transfer Between Your Robin and VAX.....	4.11.78
You've Got Trouble With RSX When.....	2.2.60			Downward, James G. The VAX Professional Workstation.....	35.10

Author	V.N.P.	Author	V.N.P.	Author	V.N.P.
Dowse, Edward C. A Note to Software Manufacturers	13.16	The Micro/RT-11, Here and Now	33.130	The Networking Editor—Foreign Peripherals: Getting More for Less	45.78
Doyle, Joe Programming Cards	1.248	Goodman, Dave BASIC PLUS 2 Undocumented & Unsupported	2.151	The Networking Editor— Network Encryption	4.748
Drinan, Charles H. Mapping Information Management Systems	4.616	Subroutine Calls	2.151	The Networking Editor— The Terminal Connection... Or Contention?	4.690
Dvorak, John C. The Back End—A Glimpse Into The Future	4.5226	Goodrich, Craig STRREV/MAC—String Reverser	2.160	The Networking Editor— VMS Remote System Management	4.996
The Back End—Computer Literacy and You	4.9162	TECO.INI	2.152	Wanted! A Network That Ties It All Together	4.320
The Back End—CPS Syndrome	4.6178	Goss, Donald R. Computer Management on Campus	4.422	Haskett, James A. Compilable Compiler Listings	4.1180
The Back End—Is the Spreadsheet All There Is?	4.7162	Information Center Conference	4.1060	Hawthorn, Paula Database Servers	4.10116
The Back End—Secret Book Discovered	4.8162	Is There an Echo in Here?	4.548	Hess, Jeff Better Programs Through Better Documentation	2.552
The Back End—The Modern Office	4.10162	Macros Are As Easy As “1-2-3”	4.718	Hill, Richard W. An EDT V3.0 Enhancement	4.2132
The Back End—The Next Generation of Software	4.11178	Gove, Jeffrey H. FORTRAN: The Forgotten Language	3.18	Untangling the Terminal Interconnect Problem	2.438
The Back End—The Public Still Mistrusts	4.3194	Gram, John M. Elements of Software Support:	2.598	Holden, Steve Random Rumours	3.356
The Back End—What's In a Name	4.4194	Managing the Support Effort	2.598	The Wonderful World of UNIX— Hacking	3.666
Eisenberg, Lawrence H. Word Processing with DEC Computers— Hims & Kinks	1.177	Elements of Software Support: Planning and Preparing For It	2.4108	The Wonderful World of UNIX— Implementations	2.679
Eperson, Emory Laserless' Laser Printer Replaces Serials	35.35	Elements of Software Support: The Customer's Responsibility	3.1106	The Wonderful World of UNIX— Liberation	35.139
Evans, Chuck A DIBOL Subroutine	11.22	The Elements of Software Support: The Softness of Software	2.3116	The Wonderful World of UNIX— Like Shelling Peas	4.252
Everhart, Glenn C. PORTACALC—A DEC Spreadsheet—Part 2	2.4114	Understanding the Elements of Software Support	2.230	The Wonderful World of UNIX— LOGIN	2.532
PORTACALC—A New (FREE) DEC Spreadsheet—Part 1	23.90	Grayson, Ashley Why Is the Spreadsheet All There Is?	4.1024	The Wonderful World of UNIX— More Opinions	31.24
PORTACALC—Part 3	2.682	Gregory, Robert S. Multiplexers, DMA, and Modem Control	2.5126	The Wonderful World of UNIX— She Sells C Shells	32.70
Fall, John R. How USER-11 Helps Fotomat Process 2,000,000 Prints a Day	35.64	Groulx, Arthur Edward A Review of Database Management	2.294	The Wonderful World of UNIX— Terminal Capabilities	4.6108
Felkins, Kelly MAPGRF	2.3120	Systems for RT-11	2.316	The Wonderful World of UNIX— Terminal Capabilities, Pt 2	4.7106
Ferrara, William Need DEC Supplies? Check the Catalog and Pick Up the Phone	36.18	Experiencing RT-11 Version 5.1	4.462	The Wonderful World of UNIX— Text Editing with EMACS	4.9108
Finnman, Judith An Electronic Laboratory Notebook for VAX, PDP-11 & Professional 350	2.6120	From the RT-11 Editor— Advancing with TSX-Plus	4.11116	The Wonderful World of UNIX— The Shell File	4.350
Finnegan, Louis J. Mass Storage Devices	3.2122	From the RT-11 Editor— Me and My (MSCP) Shadow	4.3110	Hollander, Larry DEXPO 82 & Beyond	1.140
Fleischman, Wef Understanding Streaming Tape Drives	13.32	From the RT-11 Editor— RT-11 Standard Utilities	4.292	DEXPO East '83	2.488
Fieberg, Carl E. FILE-11 Structure	13.54	From the RT-11 Editor— T is for Time	2.656	DEXPO West '82	2.162
Fuchs, Maurice B. GENIUS-11—A Codingless Applications Generator	2.18	Getting the Most Out of RT-11 Version 5	4.2394	Hollerich, Gil Another View of N-Dimensional Arrays	25.120
Fuelleman, Steve Programmer's Notebook—Program Development in the VMS Age—Part 2	4.6103	How to Use RT-11 with Disks with Bad Blocks	3.386	For-Next Sandwiches in BASIC	34.136
Geller, Dennis With Friends Like These: Who Needs Enemies?	33.134	RT-11 and the Micro-11	35.104	Hoye, Vicki DEXPO, DECUS—A View from the DEC PRO	4.7112
Glickman, Peter Editors vs. Word Processors	13.52	RT-11's (Hidden) Diagnostic Tools	36.114	Jack, Craig S. Effective Evaluation of Software for Resale	2.6112
Glover, Henry An Opinion: UNIX Realities	25.36	RT-11's (Hidden) Diagnostic Tools— Part II	2.412	Jaeckle, Rex Let's C Now—Arrays and Functions	33.42
Gold, Jeffery Advanced EDT	23.128	Sorting with RT-11 and CTS-300— A Review	3.3114	Let's C Now—Command-line Processing	4.492
Goldsmith, Neal E. Programmer's Notebook—Program Development in the VMS Age—Part 1	4.489	Using Extra Memory With RT-11 & TSV	2.3127	Let's C Now—Fields and Unions	4.1170
Programmer's Notebook—Program Development in the VMS Age—Part 3	4.7100	Grund, Robert Using a Resident Library for Communication Between Jobs	3.466	Let's C Now—Formatted Output	45.142
Programmer's Notebook—Program Development in the VMS Age—Part 4	48.120	Hagerman, Alan MACRO and the Classroom	3.582	Let's C Now—Introduction to Pointers	3.772
		Hancock, Bill Getting Down—DECnet	4.854	Let's C Now—Introduction to Pointers (continued)	4.1116
		Downline System Loading	33.36	Let's C Now—Introduction to Structures	4.976
		Getting It Together and Routing It Through: A DECnet Primer	4.196	Let's C Now—Looping and Testing	4.226
		Networking—Looking at Optical Disk Technology	36.74	Let's C Now—More Formatted Output	46.78
		Productivity, Magic, and Version 4.0: The 1984 Spring DECUS Symposium		Let's C Now—More on Pointers	4.2116
		Sharks in a Sea of Minnows			
		The Data Base Connection— Across the Network			

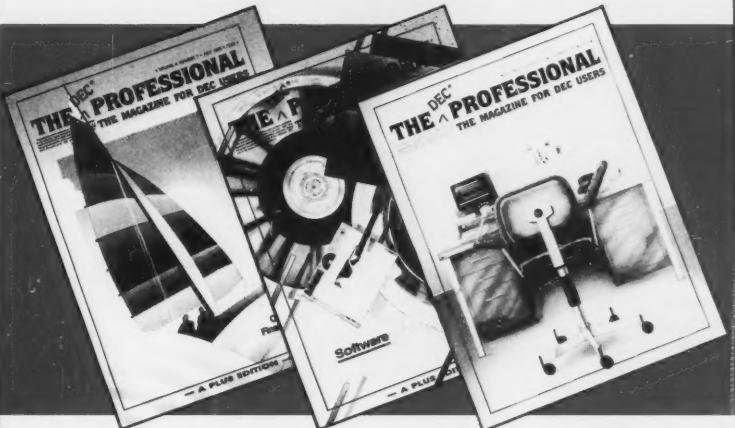
Author	V.N.P.	Author	V.N.P.	Author	V.N.P.
Let's C Now—Part 1, In the Beginning	31.42	Linoff, Joe		? Why TECO ?	1.158
Let's C Now—Pause and Reflection	4.792	A MACRO Sub-program for Determining Time		Marling, William	
Let's C Now—Pointers and Files	43.126	Elapsed Between Two Dates	2.616	Microcomputers in English Class	4.912
Let's C Now—Recursion, Variable Classes & Scope	34.84	Loftis, Phil		Martin, Jerome A.	
Let's C Now—Structures, Arrays and Pointers	4.10.62	Features of VMS Version 4.0	4.266	Choosing a Data Backup Method	3.28
Let's C Now—The C Preprocessor	38.78	Features of VMS Version 4.0 (continued)	4.374	Mayfield, Mike	
Let's C Now—Useful Functions	35.54	Lowden, Jeremy		Cluster-11	4.5102
Jamieson, Rick		One Data Base Management System	1.262	DEC Stole My Terminals	3.4180
A Timesharing COBOL for Small PDP-11s	1.128	Lowe, Richard		Fastest Open in the West	4.826
Jefferson, Paul		Planning for a Successful Automation Project	3.182	RSTS/E Performance Monitor	1.38
Big Things Come in Small Packages	4.414	Programmer's Notebook—Getting the Most From BASIC Version 2—Part 1	3.474	McGlinchey, James A.	
Johnson, Brian		Programmer's Notebook—Getting the Most From BASIC Version 2—Part 2	3.574	Interfacing Non-DEC Peripherals to RSX-11M Systems—Part I	1.260
AXXESS Command File Pre-Processor	2.140	Programmer's Notebook—Getting the Most From BASIC Version 2—Part 3	3.662	Interfacing Non-DEC Peripherals to RSX-11M Systems—Part II	1.336
Recovery System	2.344	Programmer's Notebook—Getting the Most From BASIC Version 2—Part 4	4.144	Optimizing RSX-11M Terminal Response	
Johnson, R. C.		Programmer's Notebook—Getting the Most From BASIC Version 2—Part 5	4.260	By the Use of a Funnel Task	1.138
Random Access Romance	32.146	Mager, Gary		RSX Clinic	4.1156
Judge, Ed		Saving Your Computer from Surges, Sags or Noise	3.726	You've Got Trouble With RSX When	2.260
Upgrade Path for the H11 (and LSI-11)	2.333	Major, Mike		Meaday, Charles A.	
What I Learned About RT11—Part 1	1.116	Wedding a VAX to Laser Printing	3.544	Faster Than Run-Time	4.354
What I Learned About RT11—Part 2	2.144	Mallery, Dave		Melohis, Ted	
Julkowski, Ken		A Little Look Inside RSTS	4.3136	Digital's Educational Services	4.964
Transmitting Electrical Power With RSX	2.572	A Pride of Eagles	2.362	Messersmith, Jan	
Justice, Greg		A Tale of Two Computers	3.7120	11/23 vs 11/73	4.858
DEC PROFESSIONAL Cumulative Index—through Volume 1, Number 3	2.213	From the Lab—Able Microconverter+	4.528	Metz, Arthur	
DEC PROFESSIONAL Cumulative Index—through Volume 2, Number 6	34.24	From the Lab—Fixing Memory Boards Yourself	4.758	A Rebuttal: UNIX Realities	3.130
DEC PROFESSIONAL Cumulative Index—through Volume 3, Number 7	3.798	From the Lab—Solving Cable-Switching Problems	4.10.96	Meyer, Bob "Macro Man"	
DEC PROFESSIONAL Cumulative Index—through Volume 4, Number 4	4.6124	From the Lab—The 11/73 Exposed: A Pictorial	35.158	Programming the Floating Point Processor	2.379
Kaplan, R. M.		Learning VMS	4.972	Michael Mueller, S. J	
Digital's Satellite Seminar	4.672	The DEC Pro Takes a Peak at the Cluster-11	4.5103	Automatic Switching Between Two Computers	2.2114
Extending the Input Capabilities of BASIC-11	32.104	The Maze Untangled: A Solution to the Terminal Distribution Problem	33.110	Miletic, Marijan M.	
Tinkering With BASIC-11	2.5114	The 'Ultimate' ASCII Clock	34.128	PMP-11: A Poor Man's PDP-11	4.454
Kelley, Patrick E.		Up the UNIBUS with Gun and Camera	2.184	Miller, Gary W.	
Digital's New Data Recovery Centers	3.740	Mallory, Kevin		Creation of a Source Librarian	1.372
Kessler, Gary C.		RMSBLD: Interactive RMS-11K File Optimization Utility	1.214	Miller, Paul	
Mail Call	4.345	Malz, Leslie		UNIX Maximizes Business Applications Systems	33.120
Kiefer, Norm		Large Systems SIG 20th Anniversary Celebration	36.152	Mitchell, Bruce R.	
Selecting the Proper Communications Multiplexers for Your DEC System	31.134	Mansfield, Charles		Why Not TECO?—An RSX User's View	2.148
Kinsella, Austin		Data Integrity and Anti-Locking	2.674	Mitchell, W. Franklin Jr.	
Fitting Files on Floppies—RT-11 Directories on Floppy Disks	31.149	FRECEs: A Note on Free Record Chains	31.110	Integer and Floating Point Numbers in BASIC-PLUS	1.240
Kirchoff, Stephen J.		Languages, From Spanish to C	4.220	Time Change	2.4133
Development of Office Computing	33.10	More Bits to the Byte?	34.126	Moore, Alton O., III	
Kirkman, Richard J. D.		Marbach, Carl B.		MISREADCOB—A Free Spreadsheet Program in COBOL	4.728
Converting RSX Software to Run on Professional Computers	2.522	CRT Terminals on DEC Computers	2.6140	Nagaraj, Santhebach S.	
Klammer, Pete		Current Disk Technology	2.48	FORTRAN-77	4.4136
[2060 Hindsight]: The Orange Notebooks	25.94	DEC's Personnel Computers: The First Year	34.108	Nakamori, Mas	
Konopka, Dan		Digital's Personal Computers	2.58	CBE-202 Fiber Optic Bus-Extenders	4.312
An Introduction to Using EDT With Your VT220	34.80	Laser Printing	4.10.26	Neidhardt, Gary W.	
Kookin, Barry		MASS-11	4.4108	Layered Architecture	4.1114
Bridging the Generation Gap	44.28	Modems and Multiplexers	1.252	Noble, Doug	
Koplitz, Michael H.		Modems and Multiplexers—Part 2	1.386	Solving the Wiring Nightmare	4.10.102
Modular Programming	1.28	Modems and Multiplexers—Part 3	2.196	Owen, Matthew	
Korn, Granino A.		Modems and Multiplexers—Part 4	2.243	Developing Communication Skills in the EDP Environment	2.6118
Graphic Displays on Your Ordinary VT100 or VT52 Alphanumeric Terminal	4.654	New DEC Disks	1.18	Paine, Gary	
MicrodataLabnet	2.186	PC Bridge	4.432	DMP—A DIBOL File Dump Utility	2.274
Levin, Michael		Report on DECUS and DEXPO	2.4136	Parry, Amy	
Creating Graphics with Mathematical Functions	4.632	Shopping for Software	3.762	Electronics In the Library	35.148
		Showtime in Dallas	4.572	Planning, Designing & Implementing	
		The Personnel Computer	4.10.92	Office Automation	2.628
		The Vision 2000+	4.556	The DCS Program	4.154
		? Why TECO?	1.298	Paulik, Mark C.	
				DEC Busses for the Layman	2.68
				DECNet and the OSI Model	2.216
				Security and VAX/VMS	3.710
				Paulson, Ann A.	
				DECNOLOGY '84	33.146

Author	V.N.P.	Author	V.N.P.	Author	V.N.P.
Peacock, Ben The ICE Education Center: An Alternative to Manufacturer's Training	36.22	Schacht, Joel M68000 Cross Assembler—The Bridge Between Motorola and DEC Systems	2.286	Spencer, David EDT Extended with an Initializer File	1.362
Ferron, Norm VAX/VMS DECnet Proxy Access	31.146	Scherle, Rick Microprocessor Simulation: The New Breed of Low-Cost Tape Drives	2.542	How the EDTHELP.HLP File is Organized	21.22
Polk, Gary D. The Protocol Converter	4.586	Programmer's Notebook—Getting the Most From BASIC Version 2—Part 6	4.3140	Stahle, C. W. Service Module Approach to Multi-Tasking Use of RMS11K	2.312
Powell, Bruce T. Distributed Financial Planning	1.285	Programmer's Notebook— Unemployed Programmers?	2.354	Stamerjohn, Ralph The Resource Executive— Caught in the Act	4.872
Pring, Martin ? How TECO? ? How TECO ?—The Uses and Abuses of QRegisters	1.159 1.299	System Performance Management— New Software Tools that Make Cents	3.265	The Resource Executive— Disk Maintenance	4.11.136
Pruyn, Ken Megabyte Memory Now Available for Older PDP-11s	1.124	The 1984 National Computer Conference	3.594	The Resource Executive— My RSX Wish List	4.6.131
Raffenetti, Richard C. VAX/VMS Computer Participation in an IBM File-Transfer Network	3.698	The National Computer Conference	2.461	The Resource Executive— Resource Locking	4.10.86
Rennert, Bob Everything-At-Once	4.1044	The User's Guide to Southern California	3.752	The Resource Executive— The AST	4.5.158
Making Due with GIGIs	4.642	Schwartz, Joel Games	1.296	The Resource Executive— The Mathematics of RSX	4.9.122
VT100 Graphics in a Multi-Language Environment	3.116	I Don't Get No Support—Part One: How to Select a Home Computer	1.350	The Resource Executive— The QIO	4.4.100
Rickman, Jon Communications Interface	4.538	I Don't Get No Support—Part Two: How to Buy Software	2.179	The Resource Executive— Wildcard Support (Indirectly)	4.7.76
PCs On Campus	3.432	Scott, Gregory A. Life with 36 Bits	4.130	Stevens, Christine MENTOR—A Decision Support System Organize Your Office's PCs	4.7.24
Ridgers, Terry A Skeletal Program for Mass Data Entry Via a DEC VT100/VT52 Terminal	2.6152	Scott, Richard New Controller Technology Enhances Disk Access Performance	3.2.116	Stuart, Scott H. Interactive Russian Language Tutorial	1.142
Need a Date?	3.4124	Shannon, Terry C. An Alternative to the Mouse	4.6.66	Sung, Yuan Comparison of Floating-Point Numbers in BASIC PLUS	2.1.18
X11MNT	3.181	AT&T's Threat to the VAX: How Real?	3.456	Susia, Judy "Friendly" is in the Eye of the User	2.2.23
Robertson, John K. DATAEASE—The Menu-Driven Database	4.1142	AUTOCAD	4.1.18	New User Documentation: Seven Guerrilla Strategies for the Non-Writer	2.556
Rolke, Chuck DATETEC—A Little TECO Macro	2.645	Chesswright	4.5.164	Thomas, Ed Remote Line Printing System (RLPS)	35.22
Rorro, Thomas A. CRASH!!!! An RT-11 Procedure To Create Backup Directories	35.132	Computer Room Fire Protection	3.1.75	Trelease, R. B. Analyzing Human Sleep Disorders	4.9.48
Word Crunching	2.6134	Computer Security—A Checklist	3.742	Rainbow FORTH	4.7.80
Rosenthal, Ronald Cursor Driven Command File	4.1.76	DEC's AI VAXStation	4.10.108	Trellue, Ron FORTRAN/RT Tutorial—EIS, FIS, & FPU	32.40
Ross, Kenneth A New Generation of Integrated Financial Management Software	2.6130	DECNotes—A Middle of the DECade Forecast	4.1.50	Vaccaro, Ed VMS Gets a Little Help From a Friend	32.92
Roy, Steve Buyer Beware—A Buyer's Guide to DBMS Software	2.466	DECNotes—Creative Solutions	4.4.60	Vahle, Jon H. DEC Compatibility: A Purchasing Guide to Terminals	35.48
Data Compression Techniques	3.288	DECNotes—DECWORLD 1985	4.2.58	Van Brunt, Deryk The Bridge	11.30
Dungeon Map	1.388	DECNotes—It's That Time Again	4.5.122	Van Tassel, Ray Software System Portability and High-Level Programming Languages	4.2.24
More Data Compression Techniques: Manipulation of Compressed Data	3.3124	DECNotes—MicroVAX II Performance	4.6.122	Walsh, Robert J. How to Control Your DP Project	4.1.66
70 KW of Address Space for RMS Under RSTS??	1.344	DECNotes—More DECUS Doings	4.9.120	How to Control Your DP Project Cont'd.	4.2.74
Rule, James W. Affordable High-Speed Non-Impact Printers: Ion Deposition Technology	2.320	DECNotes—Suppose You Had a VAX Of Your Very Own	4.8.124	Software: In-House vs. Vendor	3.644
Runnyon, John B. "C" Notes—A Guide to the C Programming Language	1.322	DECNotes—The Sixth Generation?	4.7.122	System Development Methodology—Part 1	2.1.106
DEC Personal Computer Families	1.150	DECNotes—When the Dust Has Cleared	4.3.52	System Development Methodology—Part 2	2.3.14
DECWriters Evolve Into Their 5th Generation	2.156	Digital Recovery Services	4.8.32	System Development Methodology—Part 3	2.4.101
FITALL.RNO—DEC's New "Erector Set" Computers	1.268	How to Write User-Friendly Documentation	3.650	System Development Methodology—Part 3 continued	2.5.64
Sard, Kevin A Graphic Statement	2.38	Introduction to DSR—Part 1	3.398	System Development Methodology—Part 4	2.6.144
Saunders, Lucy The Professional Approach to Training	4.342	Introduction to DSR—Part 2	3.4.94	System Development Methodology—Part 4 continued	3.1.60
		PFP—Charting Your Financial Course	4.7.14	System Development Methodology—Part 5	3.3.65
		PROSIGHT	4.6.136	System Development Methodology—Part 6	4.11.102
		Prose Plus	4.4.70	Watkins, Larry Murphy and Me—OR—Ain't Computers Neat?	36.194
		Spring 1984 DECUS Review	3.4.46	Watson, Allen A. A System-wide EDTINI File for RSX	2.6.98
		The Houston Instrument PC Plotter	4.5.60		
		The Shape of Machines to Come	3.7.125		
		The Shape of Machines to Come, continued	4.1.82		
		20/20	4.7.32		
		VAX Videotex: An Alternative to the Paper Avalanche	3.5.68		
		Shatzman, Marci Videotex Gets Down to Business— DEC Counts On Industry to Diversify	35.70		
		Videotex Pulses on a Business Suit at Annual Trade Show	4.8.130		
		Shein, Barry UNIX Considered	2.3.70		
		Simmons, Kenneth J. The MDX-1000 Bus Analyzer Unveiled	36.28		

Author**V.N.P.**

EDT Version 3.0: What's New?	33.139
EMACS: VAX Text Editor	36.138
EMACS: VAX Text Editor Continued	37.83
Hints for the VAX System Manager—Part 1	4.562
Hints for the VAX System Manager—Part 2	4.7124
Hints for the VAX System Manager—Part 3	4.8.82
Hints for the VAX System Manager—Part 4	4.10.74
Hooked on Programming?	4.368
More Reasons for Using TECO	2.576
Nifty Things to Do With	
RSX Indirect Command Files	2.652
Nifty Things to Do With	
RSX Indirect Command Files	3.154
Nifty Things to Do With	
RSX Indirect Command Files	3.284
Nifty Things to Do With	
RSX Indirect Command Files	33.78
Nifty Things to Do With	
RSX Indirect Command Files	35.142
RSX Indirect Command Files	34.118
RSX-11M to RSX-11M Plus Migration	2.3103
The New VT200 Terminal Series	3.132
Wayda, James G.	
Using the RSX-11M Connect to Interrupt Directive	2.4.120
Webb, Adrienne H.	
The Features of DBL	1.250
Weinberg, Gerald M.	
Routine Debugging or Getting the Buggers Off Your Back	2.281
The Art of Bugging	2.1.100
Under a Flat Programming Rock	2.6.78
Weinrich, James D.	
Make Your Own Windows	4.10.36
Weiss, Mary J.	
Having Fun at DECUS: What to See and Do in Cincinnati	33.32
Wilkinson, James B.	
Protecting Outside Terminal Lines From Lightning	2.6.26
Transferring Files Between RSTS & UNIX	31.128
Williams, Charles R.	
Still Using the Same Old Service Supplier?	36.12
Wilson, Bob	
Speed Up Your 730 Bootstrap	3.454
VAX Interrupt Response Time and Other Myths	4.11.84
Wilkowicz, Tad	
Fiber Optics for DEC Hosts and Peripherals	4.8.64
Wolfgang, W.G.	
Computer-Aided Design of Woven Textiles	4.1.10
Wood, Alex	
Programmer's Notebook— Delightful Diversions—New Orleans	45.128
Yardley, John P.	
RSX-11M vs. TSX-PLUS	4.11.88
Yin, Khin Maung	
File Transfers Between VAX/VMS & Your Rainbow	3.4.10

The most-requested issues of **THE DEC* PROFESSIONAL** magazine are now available!



The most popular issues of the best DEC-specific magazine are available from the publisher . . . issues focusing on graphics, peripherals, office automation, microcomputers, word processing, languages, communications, mass storage, financial planning . . . everything you need to know as a DEC user.

For just \$4 each (in Canada, \$5; in all other countries, \$10) you can receive many of the issues you missed, back to September 1982.

THE DEC[®] PROFESSIONAL
P.O. Box 503
Spring House, PA 19477-0503
(215) 542-7008

ANNUAL INDEX

TITLE V.N.P.

4GLs — A Primer	5.3.98
A 'Special' Event: The 29th National Wheelchair Games (Networking)	5.9.30
A B Tree In C	5.11.52
Access Through Dataprole	5.10.30
ADA Language System	5.5.115
ADABAS	5.5.90
APTOOLS — A Set Of Productivity Tools	
For The Serious Programmer	5.4.12
Automated Mapping	5.4.22
Automation Of Technical Publishing	5.4.58
Back End — Big Money Awaits The First Who Sue Programmers	5.4.19
Back End — Plain And Simple Magic: The Key To Success	5.5.178
Back End — Predictions For 1986 — What To Look Out For	4.12.17
Back End — The Computer Stability Act Of 1990	5.1.162
Back End — The End Of The World, Part One	5.2.162
Back End — The Seven Deadly Sins Alive And Well At DEC	5.3.162
Back End — The Wonderful World Of Computers	5.10.226
Back End — UNIX Is Dead. Wanna Fight?	5.8.162
Back End — What Computer Do You Drive?	5.11.178
BASIC Conversion — RSTS/E To VMS	5.1.42
Born Again	4.12.52
Boss	5.2.108
Breaking The Barrier	5.8.30
CADD On A Hot Tin Roof	5.5.30
Clock Watching	5.10.44
Communications: Link Your PC To The VAX	5.8.78
Computer Room Design	4.12.42
Customizing EDT V	5.2.74
Dallas Hosts DEXPO	5.4.92
dBASE III	5.4.74
DBMS: INGRES	5.8.68

ANNUAL INDEX

This index, which is arranged both by title and author, begins with Volume 4, Number 12 (December 1985) and ends with Volume 5, Number 11 (November 1986).

To locate articles in Volume 1, Number 1, through Volume 4, Number 11, please refer to the Cumulative Index, *DEC PROFESSIONAL*, Volume 5, Number 1 (January 1986), page 150.

In addition, a cumulative index is available in full on ARIS. For information on dialing in, see page 150.

DBMS: Intelligent Database Machines — Part 1	5.10.74
DBMS: Intelligent Database Machines — Part 2	5.11.88
DBMS: LAZER	5.9.88
DBMS: Rx From Cognos (POWERHOUSE)	5.11.80
DBMS: Separating The Sizzle From The Steak	5.2.30
DCL Dialogue: A Look At Version 4	5.8.124
DCL Dialogue:	
DCL Error Handling	5.10.164
DCL Dialogue: Quick And Dirty	
DCL Debugging	5.9.136
DCL Dialogue: Talking To Batch Jobs	5.11.110
Dear NCC: Get Your Act Together!	5.9.178

DEC News: Connecting The DOSs	5.11.106
DEC News: VAX 8550, 8700 Unveiled	5.9.94
DEC PCs In The Office	5.4.46
DEC PROFESSIONAL Cumulative Index — Through Volume 4, Number 11	5.1.150
DECUS	5.8.131
DECUS 25th Anniversary Symposium	5.4.70
DEXWORLD '86	5.4.104
DEXPO By The Bay	5.10.110
Easy Add-On Memory	5.10.60
Finding Noisy Terminals Easily	5.2.120
From The Lab: Megatepe's MDC-500	5.10.158
From The Lab: Taming The Octopus Behind Your Processors	5.11.1
From The Lab: The Midnight Monitor	5.8.119
Getting To Know Your VR201 Monitor	5.5.76
Golden Common LISP	5.1.102
Graph 'n Sketch	5.5.58
GW-BASIC	5.5.38
Hands That See	5.3.28
Hardware: Bringing Up Baby	5.8.58
Hardware: The FALCO 5220	5.9.84
Hardware: The HDS2200	5.8.66
Hardware: VT200 Series — Part 1	5.9.78
Hardware: VT200 Series — Part 2	5.10.54
Hardware: VT200 Series — Part 3	5.11.96
Hints For The VAX System Manager — Part 5	4.12.100
History Of UNIX	5.2.16
Hitting The Mark	5.1.30
How To Force Logout Procedures On A VAX	5.2.70
How To Get Along With Your 'Librarian'	5.1.34
I/O Computer	4.12.34
Improving Task Builder Performance	5.1.94
In With The New	5.1.74
Is There A RISC In DEC's Future?	4.12.58
Jet Set Software	5.11.30
Knowledge Systems	5.11.46

Learning To Learn:	
Technical Teaching	5.9.44
Let's C Now — Casts And Typedef	5.5.68
Let's C Now — Labels, GOTO And DO/WHILE	5.2.84
Let's C Now — Multidimensional Arrays	5.3.68
Let's C Now — Pointers To Functions	5.4.108
Let's C Now — The Switch Statement	5.1.58
Let's C Now — Enumeration And The Comma Operator	5.9.116
Let's C Now — Programming Style And Maintenance — Part 1	5.10.150
Let's C Now — Programming Style And Maintenance — Part 2	5.11.123
Let's C Now — The Run-Time Library — Part 3	5.8.99
LE_LISP	5.3.14
MACRO-11: Step Two	5.10.114
MACS 'n VAX	5.8.40
Managing Your MICROVAX: Are You Ready?	5.10.140
Managing Your MICROVAX: Controlling The System	5.11.130
Master The Keyboard: Touch Typing On A VAX 11/780	5.9.38
Microcomputer-Based Satellite Image Analysis	4.12.16
Migrating From A PDP-11 To A MICRO/PDP-11	4.12.132
Need Used Equipment?	5.10.190
Networked Systems	5.2.48
Networking Editor — DECnet And The OSI — What Should We Expect?	4.12.108
Networking Editor — Dial-Up Networking	5.5.106
Networking Editor — Old Meets New	5.4.117
Networking Editor — The Personal Touch	5.2.54
Networking Editor — The Politics Of Networking	5.3.84
Networking: An SNA Primer: What Has IBM Wrought?	5.8.106
Networking: If A Repeater Is Not A Repeater, It's A Bridge	5.10.180
Networking: Paying For Experience?	5.9.124
NEWSNET's Business Newsletters	5.4.52
Old Time 'Radio'	5.10.38
PACS Plus	5.2.58
PCs: PRO 350 Memory Expansion	5.9.56
Phone Call Accounting	5.4.86
Printer Setup Utilities For The Robin	5.5.100
PRO-IV	5.3.58
Programmers: Do It With Tools!	5.1.14
PROLOG — A Logical Alternative To LISP	5.3.39
Quantum RS	5.10.86
RDM	5.10.66
Read Core-Common	5.5.60
Resource Executive — A Walk Through RSX: Data Structures	5.1.78
Resource Executive — The 'Perfect' RSX	5.4.150
Resource Executive — The Data Storage Area	4.12.74
Resource Executive — The Fall 1985 DECUS Symposium	5.2.98
Resource Executive — The Non-Terminal Terminal	5.3.88
Resource Executive — The Software Tools	5.5.140
Resource Executive — Black Magic: VMR, BOO, And SAV	5.10.170
Resource Executive — DECUS: Go Where The Action Is	5.9.108
Resource Executive — PDP-11 32 Bit Support	5.8.84
Resource Executive — Short Notes	5.11.114
RSTS: MTDIR	5.10.104
RSX Clinic	5.8.122
RSX Clinic	5.9.132
RSX Clinic	5.10.178
RSX Clinic	5.1.69
RSX Clinic	5.2.124
RSX Clinic	5.3.96
RSX Clinic	5.4.84
RSX Clinic	5.5.128
RSX: A Worthy Tool: SDT: A New Symbolic Debugging Tool	5.9.96
RSX: Cached Pseudo Disk	5.10.126
RT-11: MACRO-11	5.9.72
Say It With Silk	5.5.24
Second Disk Drive Unit For The Robin	5.2.66
Smartcom II	5.10.100
Software: DISKIT/VMS	5.11.70
Software: Scribe: Document Production Software	5.9.48
Solving The Terminal I/O Problem	4.12.84
Sort	5.8.22
Step By Step	5.5.48
System 1032	5.3.100
TAPESYS	4.12.139
Tatung's TVT-7220 Terminal	4.12.70
Taxan's Six-Pen Plotter	5.2.102
Trade Dress Protection	5.4.66
Universal Solution	5.3.50
UNIX Clusters	5.2.24
VAX Input Dilemma	5.3.110
VAX/VM 'In' Foreign Command	5.5.64
VAX: Easy Screen Formatting	5.9.68
VAX: America's Cup Challenge	5.11.66
VAX: How's Your Form?	5.8.50
VAX: How's Your System?	5.10.94
VAX: VAX's Text Processing Utility	5.9.60
Videotex Goes Private	5.4.34
VMS Proposal	5.4.131
What's An Expert System?	5.3.48
Z8 Solution	4.12.120
AUTHOR	V.N.P.
Alford, David B. VAX: How's Your Form?	5.8.50
Anthony, Philip G. A B Tree In C	5.11.52
Auclair, Bonnie, Et Al. Need Used Equipment?	5.10.190
Bal, Subhash Networked Systems	5.2.48
Barkes, Kevin G. DCL Dialogue: A Look At Version 4.4	5.8.124
Barkes, Kevin G. DCL Dialogue: Quick And Dirty DCL Debugging	5.9.136
Barkes, Kevin G. DCL Dialogue: DCL Error Handling	5.10.164
Barkes, Kevin G. DCL Dialogue: Talking To Batch Jobs	5.11.110
Barron, Donna Smartcom II	5.10.100
Besner, Robert L. Migrating From A PDP-11 To A MICRO/PDP-11	4.12.132
Better, Ino Resource Executive — The 'Perfect' RSX	5.4.150
Bilodeau, Thomas VAX: Easy Screen Formatting	5.9.68
Bloom, Christopher A. Trade Dress Protection	5.4.66
Brindley, Bill DECUS 25th Anniversary Symposium	5.4.70
Brindley, Bill DECUS	5.8.131
Brooks, Gregory N. Computer Room Design	4.12.42
Bynon, David W. Managing Your MICROVAX: Are You Ready?	5.10.140
Bynon, David W. Managing Your MICROVAX: Controlling The System	5.11.130
Carpenter, Wayne Automation Of Technical Publishing	5.4.58
Cash, Frank Joseph RSX: Cached Pseudo Disk	5.10.126
Catt, Robert Easy Add-On Memory	5.10.60
Chen, Jen-Lin Clock Watching	5.10.44
Chicanowski, Gerald W. Is There A RISC In DEC'S Future?	4.12.58
Chorney, Victor J. dBASE III	5.4.74
Chorney, Victor J. Graph 'N Sketch	5.5.58
Chorney, Victor J. PRO-IV	5.3.58
Chorney, Victor J. Tatung's TVT-7220 Terminal	4.12.70
Chorney, Victor J. Hardware: The HDS2200	5.8.66
Chorney, Victor J. Hardware: The Falco 5220	5.9.84
Christopher, Jim DECWORLD '86	5.4.104
Cini, Al ADABAS	5.5.90
Cini, Al DBMS: Separating The Sizzle From The Steak	5.2.30
Cini, Al Learning To Learn: Technical Teaching	5.9.44
Corbett, Jeff RT-11: MACRO-11	5.9.72
Curley, Robert F. MACRO-11: Step Two	5.10.114
Dallatore, Joseph P. MACS 'n VAX	5.8.40
Dalton, G. Ronald How To Get Along With Your 'Librarian'	5.1.34
Dewolf, Robert S. VMS Proposal	5.4.131
Dibiasi, Linda DEC News: VAX 8550, 8700 Unveiled	5.9.94
Dourson, Stephen Second Disk Drive Unit For The Robin	5.2.66
Dourson, Stephen Printer Setup Utilities For The Robin	5.5.100

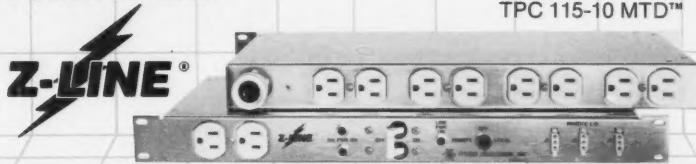
Dourson, Stephen	
Knowledge Systems.....	5.11.46
Downward, James G.	
Customizing EDT V	5.2.74
Dvorak, John C.	
The Back End — Big Money Awaits The First Who Sue Programmers	5.4.194
Dvorak, John C.	
The Back End — Plain And Simple Magic: The Key To Success.....	5.5.178
Dvorak, John C.	
The Back End — Predictions For 1986 — What To Look Out For	4.12.178
Dvorak, John C.	
The Back End — The Computer Stability Act Of 1990.....	5.1.162
Dvorak, John C.	
The Back End — The End Of The World, Part One	5.2.162
Dvorak, John C.	
The Back End — The Seven Deadly Sins Alive And Well At DEC.....	5.3.162
Dvorak, John C.	
The Back End: UNIX Is Dead. Wanna Fight?.....	5.8.162
Dvorak, John C.	
The Back End: Dear NCC: Get Your Act Together!.....	5.9.178
Dvorak, John C.	
The Back End: The Wonderful World Of Computers.....	5.10.226
Dvorak, John C.	
The Back End: What Computer Do You Drive?	5.11.178
Edwards, Brian	
Hardware: Bringing Up Baby	5.8.58
Edwards, Steven L.	
Improving Task Builder Performance	5.1.94
Evans, Chuck	
Phone Call Accounting	5.4.86
Ewen, Carl	
Finding Noisy Terminals Easily	5.2.120
Fallon, Michael	
DEC PCs In The Office.....	5.4.46
Feldman, Bruce	
Software: Scribe: Document Production Software	5.9.48
Feldman, Bruce	
DEC News: Connecting The DOSs.....	5.11.106
Fidel, Sandy, Et Al.	
Access Through Dataprobe.....	5.10.30
Hadel, Gregg, Et Al.	
Old Time 'Radio'	5.10.38
Hancock, Bill	
Dallas Hosts DEXPO	5.4.92
Hancock, Bill	
Networking Editor — DECPNET And The OSI — What Should We Expect?.....	4.12.108
Hancock, Bill	
Networking Editor — Dial-up Networking.....	5.5.106
Hancock, Bill	
Networking Editor — Old Meets New	5.4.117
Hancock, Bill	
Networking Editor — The Personal Touch	5.2.54
Hancock, Bill	
Networking Editor — The Politics Of Networking	5.3.84
Hancock, Bill	
DBMS: INGRES	5.8.68

Hancock, Bill	
Networking Editor — An SNA Primer: What Has IBM Wrought?	5.8.106
Hancock, Bill	
Networking Editor — Paying For Experience?	5.9.124
Hancock, Bill	
Networking Editor — If A Repeater Is Not A Repeater, It's A Bridge	5.10.180
Hancock, Bill	
DBMS: Rx From COGNOS (Powerhouse)	5.11.80
Haskett, James A.	
Hitting The Mark	5.1.30
Jaeckle, Rex	
Let's C Now — Casts And Typedef	5.5.68
Jaeckle, Rex	
Let's C Now — Labels, Goto And Do/While	5.2.84
Jaeckle, Rex	
Let's C Now — Multidimensional Arrays	5.3.68
Jaeckle, Rex	
Let's C Now — Pointers To Functions	5.4.108
Jaeckle, Rex	
Let's C Now — The Switch Statement	5.1.58
Jaeckle, Rex	
Let's C Now — The Run-Time Library — Part 3	5.8.99
Jaeckle, Rex	
Let's C Now — Enumeration And The Comma Operator	5.9.116
Jaeckle, Rex	
Let's C Now — Programming Style And Maintenance, Part 1	5.10.150
Jaeckle, Rex	
Let's C Now — Programming Style And Maintenance, Part 2	5.11.123
Jehle, Fred F.	
VAX Input Dilemma	5.3.110
Judge, Ed	
RSX: A Worthy Tool; SDT: A New Symbolic Debugging Tool	5.9.96
Juhl, Ginger M.	
Automated Mapping	5.4.22
Justice, Greg	
DEC PROFESSIONAL Cumulative Index — Through Volume 4, Number 11	5.1.150
Killebrew, Mason	
VAX: America's Cup Challenge	5.11.66
Mallery, Dave	
APTOOLS — A Set Of Productivity Tools For The Serious Programmer	5.4.122
Mallery, Dave	
System 1032	5.3.100
Mallery, Dave	
From The Lab — The Midnight Monitor	5.8.119
Mallery, Dave	
DBMS: Lazer	5.9.88
Mallery, Dave	
QUANTUM RS	5.10.86
Mallery, Dave	
From The Lab — Megatape's MDC-500	5.10.158
Mallery, Dave	
Software: DISKIT/VMS	5.11.70
Mallery, Dave	
From The Lab — Taming The Octopus Behind Your Processors	5.11.144
Marbach, Carl B.	
Communications: Link Your PC To The VAX	5.8.78
Marbach, Carl B.	
RDM	5.10.66
Marbach, Carl B.	
4GLs — A Primer	5.3.98
Marbach, Carl B.	
Solving The Terminal I/O Problem	4.12.84
Marbach, Carl B.	
Taxan's Six-Pen Plotter	5.2.102
Marbach, Carl B.	
I/O Computer	4.12.34
Margolis, Phil	
History Of UNIX	5.2.16
Marling, William	
Hands That See	5.3.28
May, Eliezer	
Hardware: VT200 Series — Part 1	5.9.78
May, Eliezer	
Hardware: VT200 Series — Part 2	5.10.54
May, Eliezer	
Hardware: VT200 Series — Part 3	5.11.96
Mayfield, Mike	
RSTS: MTDIR	5.10.104
McGlinchey, James A.	
RSX Clinic	5.8.122
McGlinchey, James A.	
RSX Clinic	5.9.132
McGlinchey, James A.	
RSX Clinic	5.10.178
McGlinchey, James A.	
RSX Clinic	5.1.69
McGlinchey, James A.	
RSX Clinic	5.2.124
McGlinchey, James A.	
RSX Clinic	5.3.96
McGlinchey, James A.	
RSX Clinic	5.4.84
McGlinchey, James A.	
RSX Clinic	5.5.128
Meagher, Robert M.	
Videotex Goes Private	5.4.34
Meirovitz, Eli	
Programmers: Do It With Tools!	5.1.14
Melohis, Ted	
DEXPO By The Bay	5.10.110
Messersmith, Jan	
Say It With Silk	5.5.24
Naecker, Philip A.	
DBMS: Intelligent Database Machines — Part 1	5.10.74
Naecker, Philip A.	
DBMS: Intelligent Database Machines — Part 2	5.11.88
Namon, Stephen	
Newsnet's Business Newsletters	5.4.52
Niedhardt, Gary W.	
Jet Set Software	5.11.30
Nieland, M. E.	
VAX/VMS 'In' Foreign Command	5.5.64
Novacky, Anthony J.	
Getting To Know Your VR201 Monitor	5.5.76
Oldacres, A. S.	
Universal Solution	5.3.50
Park, Randall J.	
BASIC Conversion — RSTS/E To VMS	5.1.42
Phillips C. Lyle	
Born Again	4.12.52
Presbyndowski, Mike	
Breaking The Barriers	5.8.30
Ramsey, Paul	
UNIX Clusters	5.2.24
Rechtman, Mike	
Read Core-Common	5.5.60

Rechtmann, Mike	
VAX: VAX'S Text Processing Utility	5.9.60
Rice, Lee C.	
LE_LISP	5.3.14
Saar, Daniel M., Et Al.	
VAX: How's Your System?	5.10.94
Schnorr, Raymond Jr.	
Sort	5.8.22
Seermani, Chandan W.	
How To Force Logout Procedures	
On A VAX	5.2.70
Shannon, Terry C.	
Golden Common LISP	5.1.102
Shannon, Terry C.	
PACS PLUS	5.2.58
Shannon, Terry C.	
PROLOG — A Logical Alternative	
To LISP	5.3.39
Shannon, Terry C.	
TAPESYS	4.12.139
Shatzman, Marci	
Boss	5.2.108
Stamerjohn, Ralph	
Resource Executive — A Walk	
Through RSX: Data Structures	5.1.78
Stamerjohn, Ralph	
Resource Executive —	
The Data Storage Area	4.12.74
Stamerjohn, Ralph	
Resource Executive —	
The Fall 1985 DECUS Symposium	5.2.98
Stamerjohn, Ralph	
Resource Executive —	
The Non-Terminal Terminal	5.3.88
Stamerjohn, Ralph	
Resource Executive —	
The Software Tools	5.5.140
Stamerjohn, Ralph	
Resource Executive —	
PDP-11 32 Bit Support	5.8.84
Stamerjohn, Ralph	
Resource Executive — DECUS:	
Go Where The Action Is	5.9.108
Stamerjohn, Ralph	
Resource Executive — Black Magic:	
VMR, BOO, And SAV	5.10.170
Stamerjohn, Ralph	
Resource Executive — Short Notes	5.11.114
Sunkel, Mary Jane	
Master The Keyboard:	
Touch Typing On A VAX 11/780	5.9.38
Thorup, Janice	
CADD On A Hot Tin Roof	5.5.30
Trelease, R. B.	
ZB Solution	4.12.120
Trelease, R. B.	
What's An Expert System?	5.3.48
Turner, Dennis J.	
ADA Language System	5.5.115
Watson, Allen A.	
Hints For The VAX System Manager —	
Part 5	4.12.100
Weyel, Don	
A 'Special' Event: The 29th National	
Wheelchair Games (Networking)	5.9.30
Wilkinson, James B.	
In With The New	5.1.74
Wyboly, Nicholas	
Step By Step...	5.5.48

PROBLEM: High Inrush Current SOLUTION: Multiple Time Delay™

POWER UP WITH



TPC 115-10 MTD™

The Smallest Power Distribution & Control System

MTD™: Sequence your computers power-up with a controlled time delay between switched 1 and switched 2.

REMOTE: On/off & emergency shutdown, sequence power-up additional equipment downline.

LINE PROTECTION: EMI/RFI, Spike & Surge.

PATENT PENDING

PULIZZI ENGINEERING INC.

3260 S. Susan Street Santa Ana, CA 92704-6865 (714) 540-4229

ENTER 52 ON READER CARD

Let's C Now, by Rex Jaeschke

... in two volumes,
a self-teaching guide to
the C language.



Volume 1 introduces you to the basics of "C" through 13 chapters in a workbook format. Volume 2 picks up and guides you through advanced C statements and constructs. Each has pre-tested examples, chapter summaries, glossary and hints and suggestions from the author.

Written by well-known expert Rex Jaeschke, the 26 "lessons" are for any operating system using DEC hardware — primarily VAX and PDP. Each chapter has been revised and updated since first published in *DEC PROFESSIONAL*.

HOW TO ORDER: Send check or money order for \$22.95 for each volume ordered, or save by ordering the set for \$42.95, plus postage and handling,* to:

PROFESSIONAL PRESS
Box 503, Spring House, PA 19777-0503

OR CALL: (215) 542-7008 with your credit card information.

*POSTAGE AND HANDLING PER COPY: USA—\$1.50; CANADA—\$3.00; EUROPE—\$6.50